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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Jay Dee Krull et al.)
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SYSTEMS AND METHODS FOR A)
NAVIGATIONAL DEVICE WITH IMPROVED)
ROUTE CALCULATION CAPABILITIES)

INFORMATION DISCLOSURE STATEMENT

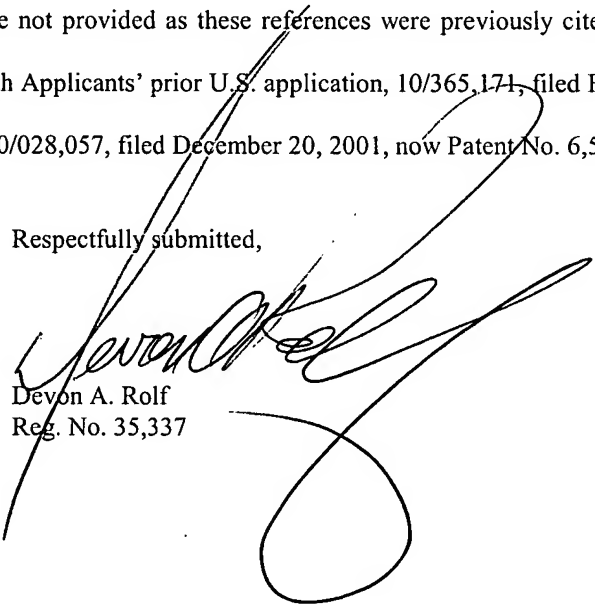
Commissioner for Patents
P.O. Box 1450
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Dear Sir:

Listed on form PTO-1449 are photocopies of patents which Applicant wishes to bring to the attention of the Examiner in connection with the above-identified application. Applicant requests that this Information Disclosure Statement be entered and the documents listed on PTO-1449 be considered by the Examiner and made of record.

Copies of the listed documents are not provided as these references were previously cited by or submitted to the U.S. Patent Office in connection with Applicants' prior U.S. application, 10/365,171, filed February 11, 2003, which is a divisional of U.S. application, 10/028,057, filed December 20, 2001, now Patent No. 6,545,637.

Respectfully submitted,


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PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Attorney Docket No.: 702.322	Serial Number:
	Applicant: Krull, Jay Dee et al.	
	Filing Date:	Group:

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE
	2001/0047242	11-29-01	Ohta	701	210	04-27-99
	5,528,248	06-18-96	Steiner et al.	342	357	08-19-94
	5,537,323	07-16-95	Schulte	364	449	01-18-94
	5,559,511	09-24-96	Ito et al.	340	995	07-23-93
	5,659,476	08-19-97	LeFebvre et al.	364	444.1	12-22-94
	5,757,289	05-26-98	Nimura	340	995	06-06-95
	5,774,073	06-30-98	Mackawa	340	995	06-06-95
	5,926,118	07-20-99	Hayashida	340	995	06-27-96
	5,938,721	08-178-99	Dussell et al.	701	211	10-24-96
	5,987,377	11-16-99	Westerlage et al.	701	204	03-02-98
	6,064,941	05-16-00	Nimura et al.	701	210	09-25-97
	6,226,591	05-01-01	Okumura et al.	701	216	08-30-99
	6,266,612	07-24-01	Dussell et al.	701	207	06-16-99
	6,285,950	09-04-01	Tanimoto	701	201	05-13-99
	6,317,684	11-13-02	Roeseler	701	202	12-22-99
	6,317,687	11-13-01	Morimoto	701	211	10-05-92
	6,321,158	11-20-01	DeLorme	701	201	08-31-98
	6,411,899	06-25-02	Dussell et al.	701	211	04-30-01

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

	"An optimal pathfinder for vehicles in real-world digital terrain maps", http://www.nease.net/jamsoft/shortestpath/pathfinder/4.html (1999), 11 pages
	"Informed Search Methods", <u>Artificial Intelligence, A Modern Approach</u> , Prentice Hall, Inc. (1995), pp. 92-115
	"Real Time Vehicle Routing in Dynamic and Stochastic Urban Traffic Networks", http://www.gpu.srv.ualerta.ca/lfu/research.htm (1997), pp. 1-3
	AHUJA, R., "Faster Algorithms for the Shortest Path Problem", <u>Journal of the Association for Computing Machinery</u> , 37(2), (1990), pp. 213-223

	CUNG, V., "An Efficient Implementation of Parallel A*", CFPAR, Montreal, Canada (1994), pp. 153-167
	FREDMAN, M., "Fibonacci heaps and their uses in improved network optimization algorithms", Journal of ACM (1987), 2 pages
	FU, L., "Heuristic Shortest Path Algorithms and their Potential IVHS Applications", Proceedings of the 4 th University of Alberta – University of Calgary, Joint Graduate Student Symposium in Transportation Engineering (1995), pp. 83-109
	IKEDA, T., "A Fast Algorithm for Finding Better Routes by AI Search Techniques", Vehicle Navigation and Information Systems Conference Proceedings, (1994), pp. 291-296
	KAINDL, H., "Memory-Bounded Bidirectional Search", Proceedings of the 12 th National Conference on Art, AAAI Press, Seattle WA, (1994), pp. 1359-1364
	LAPORTE, G., "The Vehicle Routing Problem: An Overview of Exact and Approximate Algorithms", European Journal of Operational Research, 59, (1992), pp. 345-358
	MYERS, B., "Data Structures for Best-First Search" http://www4.ncsu.edu/jbmyers/dsai.htm , (1997), pp. 1-6
	RONNGREN, R., et al., "Parallel and Sequential Priority Queue Algorithms", ACM Transactions on Modeling and Computer Simulation, (1997), pp. 168-172, 198, 199
	STOUT, B., "Smart Moves: Intelligent Pathfinding", Gamasutra http://www.gamasutra.com/features/programming/080197/pathfinding.htm (1997), pp. 1-11
	WAI, LEONG, H. et al., "Comparative Study of Shortest Path Algorithm for Transport Network", USRP Report 2, http://www.comp.nus.edu.sg/leonghoe/USRPReport-txt.html , (1999), pp. 1-10
	ZHAN, F.B., "Three Fastest Shortest Path Algorithms on Real Road Networks: Data Structures and Procedures", Journal of Geographic Information and Decision Analysis, 1(1), http://www.geog.uwo.ca/gimda/journal/vol1.1/Zhan/Zhan.htm (1997), 11 pages
	ZHAO, Y., "An Adaptive Route-Guidance Algorithm for Intelligent Vehicle Highway Systems", American Control Conference, Boston, MA (1991), pp. 2568-2573

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conform ance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.	